

20090512.ba v04_n268.bam.20090512

>From ???@??? Tue May 12 12:25:51 2009 -0500
Date: Tue, 12 May 2009 11:25:07 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 4268
Message-Id: <20090512172510.2544410AF76@srvr1.theporch.com>

BOATANCHORS Digest 4268

Topics covered in this issue include:

- 1) Re: Need voltage chart for Knight T-150
by "JAMES HANLON" <knjhanlon@msn.com>
- 2) TCX xmtr help
by "Thekan, Paul" <Paul.Thekan@cpii.com>
- 3) Navy Morse Code Recorder
by "Nick England" <nick@3rdtech.com>
- 4) Dayton, Anyone?
by "Tony Schroeder" <tony@bright.net>
- 5) RE: Dayton, Anyone?
by "Nick England" <nick@3rdtech.com>
- 6) Re: Dayton, Anyone?
by "Alan Fryer" <N3BJ@cox.net>
- 7) RE: FS ITEMS,R-389, EFJ Desk KW Ten-Tec Paragon Model 585, SX-28,
SX-28A Plus European Boat anchors some Rainbow units
by Dan Arney <hankarn@pacbell.net>
- 8) What replaces the PCB capacitor?
by "Soundval" <soundval@foothill.net>
- 9) R-390A covers
by wb3fau@att.net
- 10) Dayton travelers
by stuck in 50s <polepeeg@aa4rm.ba-watch.org>
- 11) KSM Schedule 5/16
by Richard Dillman <ddillman@igc.org>
- 12) Re: Dayton travelers
by K8MF0@aol.com
- 13) RE: Dayton travelers
by "Nick England" <nick@3rdtech.com>
- 14) RE: Dayton travelers
by "Nick England" <nick@3rdtech.com>
- 15) Re: What replaces the PCB capacitor?
by Rich Post <postr@ohiou.edu>
- 16) HP-403B AC Voltmeter, Battery Replacement
by "Michael Hardie" <mike46@shaw.ca>
- 17) Re: HP-403B AC Voltmeter, Battery Replacement
by Scott Robinson <spr@earthlink.net>

18) Re: HP-403B AC Voltmeter, Battery Replacement
by Shriver <shriver1@comcast.net>

Message-ID: <SNT106-DS5C5000FD6BD2E08DF7B65A0690@phx.gbl>
From: "JAMES HANLON" <knjhanlon@msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Need voltage chart for Knight T-150
Date: Mon, 4 May 2009 19:00:32 -0600
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_00A9_01C9CCEA.9A470910"

This is a multi-part message in MIME format.

-----=_NextPart_000_00A9_01C9CCEA.9A470910
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Gene,

As the manual for the T-150 says, "The operating voltages are located on =
the schematic diagram." On the schematic, I read the following:

12AX7 speech amp: pin 1, 100 volts; pin 2 and 3, 0 volts; pin 6, 120 =
volts; pin 8, 1.2 volts.

6DR7 modulator: pin 7 - 1.0 volts (might be -10, but I think it's 1.0); =
pins 6, 2 and 3, 56 volts; pin1, 640 volts; pin 9, 152 volts. =20

Voltages are measured from pins to chassis ground with a VTVM. Function =
switch is in VFO Spot position. XTAL/VFO switch in 80 position. =
Voltage tolerance +/- 20%. =20

Hope that helps. If necessary I can open my T-150A up and measure =
actual voltages for you.

73,

Jim, W8KGI

----- Original Message -----=20
From: Soundval<mailto:soundval@foothill.net>=20
To: Old Tube Radios<mailto:boatanchors@theporch.com>=20
Sent: Monday, May 04, 2009 6:22 PM
Subject: Need voltage chart for Knight T-150

I have the manual for the Knight T-150 and it has a resistance chart =
for=20

measurements at the tube sockets, but no voltage chart.

It sure would be helpful to have the voltage measurements at the audio =
driver and modulator.

I will be glad to pay for that.

Gene WB6SZS=20

-----=_NextPart_000_00A9_01C9CCEA.9A470910

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
*      (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
*      If your postings display this message your mail program *
*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

-----=_NextPart_000_00A9_01C9CCEA.9A470910--

Content-class: urn:content-classes:message

MIME-Version: 1.0

Content-Type: multipart/alternative;

boundary="-----=_NextPart_001_01C9CDC6.716118BC"

Subject: TCX xmtr help

Date: Tue, 5 May 2009 14:14:14 -0700

Message-ID:

<16861_1241558054_4A00AC26_16861_334803_1_33AB2CC4117229448172627C308F6E4403A47CEE
@mercury.cpii.com>

From: "Thekan, Paul" <Paul.Thekan@cpii.com>

To: Old Tube Radios <boatanchors@theporch.com>

This is a multi-part message in MIME format.

-----=_NextPart_001_01C9CDC6.716118BC

Content-Type: text/plain;

charset="us-ascii"

Content-Transfer-Encoding: quoted-printable

=20

=20

Anyone out here with a TCX xmtr that wouldn't mind making a photocopy of the xtal cover plate located on the front panel. Mine is missing and a photocopy of the plate with the markings on it as well as the correct size would be a great help.

=20

Thank you

Paul

N6FEG

<html><body>

<p align=3D"justify">

This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient(s) is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

</p></body></html>

-----_=_NextPart_001_01C9CDC6.716118BC
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
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* Mail Lists at theporch.com only accept PLAIN TEXT *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

-----_=_NextPart_001_01C9CDC6.716118BC--

From: "Nick England" <nick@3rdtech.com>
To: Old Tube Radios <boatanchors@theporch.com>

Subject: Navy Morse Code Recorder
Date: Thu, 7 May 2009 12:56:21 -0400
Message-ID: <1C0DE4B5694344DEBA311892BFA5C2CA@Heathkit2>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Does anyone know anything about this gadget I recently acquired? - appears to be a paper tape recorder for receiving high speed Morse. Photos at -

<http://www.navy-radio.com/morse.htm>

cheers,
Nick
www.navy-radio.com

Message-ID: <D1F94B09253A4784B7753D2DFD764F1F@TONY>
From: "Tony Schroeder" <tony@bright.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Dayton, Anyone?
Date: Fri, 8 May 2009 16:32:41 -0400
MIME-Version: 1.0
Content-Type: text/plain;
 format=flowed;
 charset="iso-8859-1";
 reply-type=original
Content-Transfer-Encoding: 7bit

I've been lurking much more than posting as of late, but I find that most of what I've learned about boatanchors came from this list, so I guess the ratio makes sense. :)

Anyone headed to Dayton this year? I finally received confirmation of my flea market space, which is FW2318. Looks like a good spot - close to the Arena for potty breaks, but far enough from the grills that I won't smell like a bratwurst all day (barring any unusual winds).

I'll be there with a number of BA goodies, including a Capehart/Adler R-390A, a BC348, likely a Hammarlund or National or two, and a mess of amplifier parts. Oh, and a I-177 tube tester and matching adapter, in case any audiophools want it.

I'll be there Friday for sure, and maybe Saturday. Stop by if you're so inclined.

73,

Tony W8HRO

From: "Nick England" <nick@3rdtech.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Dayton, Anyone?
Date: Fri, 8 May 2009 17:21:09 -0400
Message-ID: <61D3096152D440D5BF7FDC62C725F62A@Heathkit2>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

See you there - John K4OZY and I will be set up at spaces 2508-2509
Thurs-Fri with a bunch of boatanchors & parts for sale
Nick K4NYW
www.navy-radio.com

-----Original Message-----
From: owner-boatanchors@theporch.com [mailto:owner-boatanchors@theporch.com]
On Behalf Of Tony Schroeder
Sent: Friday, May 08, 2009 4:33 PM
To: Old Tube Radios
Subject: Dayton, Anyone?

I've been lurking much more than posting as of late, but I find that most of
what I've learned about boatanchors came from this list, so I guess the
ratio makes sense. :)

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R-390A, a BC348, likely a Hammarlund or National or two, and a mess of
amplifier parts. Oh, and a I-177 tube tester and matching adapter, in case
any audiophools want it.

I'll be there Friday for sure, and maybe Saturday. Stop by if you're so
inclined.

73,

Tony W8HR0

Message-ID: <62EE8828FDC54580ABE554999266F8E6@ownernq1ru0tcu>
From: "Alan Fryer" <N3BJ@cox.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Dayton, Anyone?
Date: Fri, 8 May 2009 17:54:37 -0400
MIME-Version: 1.0
Content-Type: text/plain;
 format=flowed;
 charset="iso-8859-1";
 reply-type=original
Content-Transfer-Encoding: 7bit

I'll be in 2923, just down the row from Herman, N4CH. I'll have some choice junk available to pay for the chicken wings and beer ! Most likely a Mosley CM-1, Heathkit HR-20 and other Heathkits, Hallicrafters HA-5, maybe a National SW-3, some homebrew TXs, regen RXs, etc...

Alan, N3BJ

----- Original Message -----
From: "Nick England" <nick@3rdtech.com>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Friday, May 08, 2009 17:21
Subject: RE: Dayton, Anyone?

> See you there - John K4OZY and I will be set up at spaces 2508-2509
> Thurs-Fri with a bunch of boatanchors & parts for sale
> Nick K4NYW
> www.navy-radio.com
>

> -----Original Message-----
> From: owner-boatanchors@theporch.com
> [mailto:owner-boatanchors@theporch.com]
> On Behalf Of Tony Schroeder
> Sent: Friday, May 08, 2009 4:33 PM
> To: Old Tube Radios
> Subject: Dayton, Anyone?
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> amplifier parts. Oh, and a I-177 tube tester and matching adapter, in case
> any audiophools want it.
>
> I'll be there Friday for sure, and maybe Saturday. Stop by if you're so
> inclined.
>
> 73,
>
>
> Tony W8HR0
>
>

No virus found in this incoming message.

Checked by AVG - www.avg.com

Version: 8.5.325 / Virus Database: 270.12.22/2105 - Release Date: 05/08/09
11:43:00

Message-ID: <4A05088C.1030506@pacbell.net>

Date: Fri, 08 May 2009 23:37:32 -0500

From: Dan Arney <hankarn@pacbell.net>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

Subject: RE: FS ITEMS,R-389, EFJ Desk KW Ten-Tec Paragon Model 585, SX-28,
SX-28A Plus European Boat anchors some Rainbow units

Content-Type: text/plain; charset=ISO-8859-1; format=flowed

Content-Transfer-Encoding: 7bit

The following units are too heavy to ship at a reasonable rate so they
are for pickup only in McKinney or delivered to Dayton. Ham Con in Plano
The price is net to me certified funds, cash, Paypal or bank wire
transfer to my account PREPAID.

1. Collins 30-S1 Mars version, SN 17XX original manual. This unit looks like it just came from the factory and it worked fine when removed from service. Will not be DOA. \$3000.00.
2. Ambassador solid walnut operating console on casters.
The panel is cut out for Collins S line for a 75S1, 312B4 and a KWM2 or 2A.
Asking \$3000.00 OBR0.
3. Rohde & Schwarze EK-07/D2 strapped for 115V AC checked out clean with English copy of the manual, 2 wire power plug. Audio plug for speaker, Coax connector to BNC.
Pick up saves \$100.000 crating and packing charge and 200 plus pounds freight charge.

\$2000.00 each I have 5 working units and one condition unknown.
4. R-390-A no meters, with RF deck cover sold as-is no power applied due to blocking cap for filters not replaced. \$450.00 each I have 30 units.
5. R-390-A with original meters details same as above. \$525.00. each I have 15 units
6. R-390-A with meters all EAC modules, CNC Engraved panel, recapped, frame disassembled and gold alodined, 3 wire power cord, all covers checked and aligned with 3TF7. \$1800.00.
7. R-389 all original condition, no mods, original manual, covers and power plug/cable. I have owned this unit for over 10 years it is presently rack mounted. and works fine S/N 1XX \$4000.00.
8. EFJ Desk Kilowatt This unit was operating when I bought it over 5 years ago. Cosmetic condition would be 7 to 8 with some light chassis rust. The desk drawers are hiding out in my shop. A little elbow grease and some TLC will bring it alive. \$3750.00
9. Ten-Tec Model 585 Paragon with upgraded ROM in operating condition with manual and all papers associated Hand microphone with PTT.
NO POWER SUPPLY FURNISHED. REQUIRES 13.8 VOLTS AT 20 AMPS. \$600.00
10. EFJ Viking 1 complete all tubes no cabinet it was removed to be powder coated and somewhere it sprouted legs and wandered off in Socal and is history. \$250.00

ALL UNITS ARE SOLD are sold on a FIRST COME FIRST MONEY basis.

PICTURES AVAILABLE FOR FOR SERIOUS BUYERS.

Thanks for reading,

Hank
KN6DI

Message-ID: <83FC26CBE89B44D1BD0DE52B5A03CF72@Rippen>
From: "Soundval" <soundval@foothill.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: What replaces the PCB capacitor?
Date: Sun, 10 May 2009 09:30:43 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 format=flowed;
 charset="iso-8859-1";
 reply-type=original
Content-Transfer-Encoding: 7bit

I have an Advance Instruments scope, OS2000R.

.It has, what is left of, a PCB capacitor, the label being:

" DUBILIER
DUCONOL
K107
5y's(?) + 10% -5%
360V 50%
3rd harmonic 50%
-20 degrees C to +60 degrees C
Made in UK 683440 "

It exploded.

Any suggestions for what or how to replace it?

I am still looking for the schematic for this scope.

Eugene Rippen, WB6SZS

From: wb3fau@att.net
To: Old Tube Radios <boatanchors@theporch.com>
Subject: R-390A covers
Date: Sun, 10 May 2009 16:54:27 +0000
Message-Id:
<051020091654.26265.4A0706C300035CCF0000669922230650029B0A02D29B9B0EBF9A0E00CC0D99@att.net>

To the BA gang-

I recently had fabricated some replacement top and bottom covers for these

wonderful BA-

class receivers. I use the same for top and bottom. These are stainless steel, instead of the usual aluminum. I can get RF covers as well. I have been to the R-390A users website and got only one response. If anyone wishes to see these, send me an email- wb3fau@att.net

I will send a picture. There are slots, instead of louvers. The stainless looks nice! Not sure on a price, but likely better than some i have seen. Russ.

Date: Mon, 11 May 2009 14:37:05 -0400 (EDT)
From: stuck in 50s <polepeeg@aaa4rm.ba-watch.org>
Message-Id: <200905111837.n4BIb5UI017126@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Dayton travelers

Thot I'd report my flea space as W2309. Nick England & John Poulton are W2208 & W2209. You might consider a 'reply all' to broadcast yours

And if anyone cud bring a 3430 kc xtal in FT243 or HC-12U encl., I'd be beholdin'

Best

Marty

Message-ID: <19856923.1242067449806.JavaMail.root@mswamui-backed.atl.sa.earthlink.net>
Date: Mon, 11 May 2009 14:44:09 -0400 (EDT)
From: Richard Dillman <ddillman@igc.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: KSM Schedule 5/16
Mime-Version: 1.0
Content-Type: text/plain; charset=UTF-8
Content-Transfer-Encoding: 7bit

On Saturday 5/16 KSM operations will consist of press and weather broadcasts. Operators will not be listening for calls from ships. Operations will commence at about 1000pdt/1700utc on both CW and RTTY.

K6KPH will not be available.

The reason for this change is that the National Park Service will be doing an

extensive cleaning of the operating room at the receive station. Some may say this is overdue as I doubt the place has been really cleaned since it was installed! In any case the cleaning will be incompatible with normal operations.

In a related note, we have received requests from listeners who use our 25wpm broadcasts for code practice for something less predictable than the highly formatted weather broadcasts. Thus the Transmitter Department has agreed to provide extended press and weather service on CW on a regular basis. Steve will edit his usual RTTY broadcasts to make them applicable for CW. These transmissions will be keyed from the Bolinas transmitter site. The KSM 2130utc weather broadcast will be keyed from the receiver site as usual.

If you are not a member of our mailing list and would like to receive information like this directly just send an email message to:

radiomarine-subscribe@yahoogroups.com

VY 73,

RD

=====
Richard Dillman, W6AWO
Chief Operator, Coast Station KSM
Maritime Radio Historical Society
<http://www.radiomarine.org>
=====

From: K8MFO@aol.com
Message-ID: <c20.5955267e.3739d184@aol.com>
Date: Mon, 11 May 2009 15:07:48 EDT
Subject: Re: Dayton travelers
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----1242068868"

-----1242068868
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Our little group will be at W-1937 and W-1938, as usual. Will probably have an NC-173 with matching speaker, and some other interesting things like an RCA Labs signal generator, very early Heathkit VOM (like I've not seen before), Heathkit QF-1, a nice variety of relays and terminal strips, W2AU antenna traps, a very nice Simpson 260 with case, some really nice

outlet strips, a VK3YNG "Foxhunt Sniffer", and various other goodies.....
even some nice microphones (don't tell my CW friends!)

The older I get the more I look forward to Dayton. Somebody told me
that the weather forecast is very good for the weekend. That won't be
any fun!

Don't have a 3430 kc crystal -- lot less QRM on that frequency!i Anyone
else need something? It may be lurking in my barn! The antenna system
out there for the "fun radios" is starting to rival the serious DX stuff!In
the last 2 weekends I have made 200 QSOs out there with the Ranger II and
newly working R4C. I learned a lot in working with the R4C -- actually
"re-learned" to never trust a tube tester, even a TV7D/U. Finally, on my
7th substitution, I found a WORKING 6EJ7 third mixer. The other 6 tested
fine, but until I put in a PHILIPS, the receiver was sick. Now it sounds
like the receiver that I remember. Soon I will be able to switch
between the R4C, 2B, and 75A4 in quick fashion. The Ranger II occupies
the "catbird" seat for transmitting, but will probably put one of the newly
working T4XC transmitters in line too, especially for the WARC bands.

All of us know how much fun it is to actually make contacts with this grand
old stuff. Conditions overall may be lousy, but its not holding me
back.

73

Don K8MFO

In a message dated 5/11/2009 2:43:31 P.M. Eastern Daylight Time,
polepeeg@aaa4rm.ba-watch.org writes:

Thot I'd report my flea space as W2309. Nick England & John Poulton
are W2208 & W2209. You might consider a 'reply all' to broadcast
yours

And if anyone cud bring a 3430 kc xtal in FT243 or HC-12U encl.,
I'd be beholdin'

Best

Marty

*****An Excellent Credit Score is 750. See Yours in Just 2 Easy
Steps!

(<http://pr.atwola.com/promoclk/100126575x1222585010x1201462743/aol?redir=http://>

www.freecreditreport.com/pm/default.aspx?sc=668072&hmpgID=62&bcd=May
Excfooter51109N062)

-----1242068868
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
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* This post contains a forbidden message format *
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* Mail Lists at theporch.com only accept PLAIN TEXT *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

-----1242068868--

From: "Nick England" <nick@3rdtech.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Dayton travelers
Date: Mon, 11 May 2009 15:10:28 -0400
Message-ID: <554282E399684AFD930FB5CC2B3335BF@Heathkit2>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

CORRECTION

Poulton & England are W2508 & W2509 according to the list at
http://pcboard.ca/hamvention2009/outdoor_vendors.asp

Same space as last year, different boatanchors for sale

cheers,
Nick K4NYW

www.navy-radio.com

-----Original Message-----

From: owner-boatanchors@theporch.com [mailto:owner-boatanchors@theporch.com]
On Behalf Of stuck in 50s
Sent: Monday, May 11, 2009 2:37 PM
To: Old Tube Radios
Subject: Dayton travelers

Thot I'd report my flea space as W2309. Nick England & John Poulton

are W2208 & W2209. You might consider a 'reply all' to broadcast yours

And if anyone cud bring a 3430 kc xtal in FT243 or HC-12U encl., I'd be beholdin'

Best

Marty

From: "Nick England" <nick@3rdtech.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Dayton travelers
Date: Mon, 11 May 2009 15:22:21 -0400
Message-ID: <E8CA31F837244C9886B15FC0BB34E4E5@Heathkit2>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Oh yeah - some stuff we're planning to sell at W2508 & W2509 (after delivering the heavy stuff)....

NC-300

2 ea. NC-303

speakers for above

RCA CR-91

75A-1

Valiant II

Ranger II

Drake 2BQ

many boxes of interesting BA parts

box of Heathkit & Knight-kit knobs

Navy manuals

Northern Radio twinplex FSK converter

misc Navy gear

Nick K4NYW & John K4OZY

Message-Id: <6.2.1.2.2.20090511223006.070e5d18@oak.cats.ohiou.edu>
Date: Mon, 11 May 2009 22:43:14 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Rich Post <postr@ohiou.edu>
Subject: Re: What replaces the PCB capacitor?
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Eugene,

How was this cap used? Was it part of a constant voltage resonant circuit? (Directly across a higher voltage winding on the power transformer?) Was it a line filter cap?

Is there enough of the cap left to get a tentative measurement of value for the uF? It's possible that the 5 is the uF value since a tolerance is given.

What was the approximate size?

I am big on recycling microwave oven capacitors. Most are newer and are marked "no PCB's" and have a typical value of 1 uF of just under. Advantage is serious voltage rating and cheap or free. Some have bleeders built in. Have used them in scope hi-volt circuits.

Rich KB8TAD

At 12:30 PM 5/10/2009, Soundval wrote:

>I have an Advance Instruments scope, OS2000R.

>

>.It has, what is left of, a PCB capacitor, the label being:

>

> " DUBILIER

> DUCONOL

> K107

> 5y's(?) + 10% -5%

> 360V 50%

> 3rd harmonic 50%

> -20 degrees C to +60 degrees C

> Made in UK 683440 "

>

>It exploded.

>

>Any suggestions for what or how to replace it?

>

>I am still looking for the schematic for this scope.

>

>Eugene Rippen, WB6SZS

Message-ID: <0175836171484788ACABBDC9FDC6F047@userd0315415c7>

From: "Michael Hardie" <mike46@shaw.ca>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: HP-403B AC Voltmeter, Battery Replacement

Date: Tue, 12 May 2009 09:07:04 -0700
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="----=_NextPart_000_0006_01C9D2E1.04DA26D0"

This is a multi-part message in MIME format.

-----=_NextPart_000_0006_01C9D2E1.04DA26D0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

The batteries are shot, anyone know of a source for replacements? There =
are four 6.25v 225mah rechargeable (Nicad?) batteries, approx 3/4" =
diameter by 4 1/2" long, solder lug contacts.

Mike VE7MMH
-----=_NextPart_000_0006_01C9D2E1.04DA26D0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

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* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
* (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

-----=_NextPart_000_0006_01C9D2E1.04DA26D0--

Mime-Version: 1.0
Message-Id: <p06240800c62f5e148377@[192.168.1.4]>
Date: Tue, 12 May 2009 10:12:33 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Scott Robinson <spr@earthlink.net>
Subject: Re: HP-403B AC Voltmeter, Battery Replacement
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

>The batteries are shot, anyone know of a source for replacements?
>There are four 6.25v 225mah rechargeable (Nicad?) batteries, approx
>3/4" diameter by 4 1/2" long, solder lug contacts.
>
>Mike VE7MMH

Hi Mike,

Presently I think AAA NiHM cells are 600 mAH or so. You can probably fit the five cells per that you will need into that space.

/scott

Message-ID: <4A09B106.2090504@comcast.net>
Date: Tue, 12 May 2009 13:25:26 -0400
From: Shriver <shriver1@comcast.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: HP-403B AC Voltmeter, Battery Replacement
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

From your description, those sound like the early version of the batteries, which are built out of button cells. NiCd button cells are no longer available.

If they are oriented across the instrument, they are the old version.

Later units used four long skinny batteries, oriented fore-to-aft. I think they are made of 1/3AA cells. (I'm not ambitious enough to tear down my 403B to see.) You are looking for 225 milliamp-hour cells. Many NiCd vendors can weld up batteries out of cells, each of these is 5 cells welded with tabs, and you want solder tabs at the ends.

You will need to devise a new way to secure them. HP used a pair of plastic brackets that have deep notches for the four tubes, two in each side. They aren't very rigid or well-designed.

Michael Hardie wrote:

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End of BOATANCHORS Digest 4268
